

CLAIMS

What is claimed to be new and desired to be protected by Letters Patent is set forth in the appended claims.

I claim:

1. A foldable anode pod for providing cathodic protection to a preferred structure, comprising:
 - a) a top frame having a plurality of sides and upper and lower surfaces;
 - b) a bottom frame having a plurality of sides and upper and lower surfaces, wherein said bottom frame can be disposed on a sea floor proximate to the preferred structure;
 - c) a plurality of folding legs for joining said top frame to said bottom frame, wherein said legs in a first position are folded so that said top frame is disposed adjacent said bottom frame, wherein said legs in a second position are extended to be linearly aligned with each other so that said top frame is disposed away from said bottom frame, wherein said legs are positioned in said second position when the anode pad is disposed on a sea floor;
 - d) means for locking said top frame to said bottom frame whereby the top frame is secured to the bottom frame when the legs are in the first position;

e) means for connecting said legs to said top and bottom frames

whereby the legs are pivotally connected to the top and bottom frames; and,

f) means for connecting said legs to each other whereby the leg

segments can be connected to each other and the leg segments can be locked together so that the legs are secured when the legs are in the second position.

2. The anode pod of Claim 1, further comprising an electrical connector for

joining the anode pod to the preferred structure.

3. The anode pod of Claim 2, further comprising a plurality of stabilizer arms

each having a first end adapted for attachment in a spaced apart manner around said bottom frame and each having a second end adapted to be deployed on a sea floor to permit the anode pod to be stabilized when the anode pod is disposed on a sea floor.

4. The anode pod of Claim 3, wherein said means for locking comprises:

a) wherein said top frame has a member having a first aperture

therein;

b) wherein said bottom frame has a member having a second aperture

therein, wherein said second aperture is in operative alignment with said first aperture when the legs are in the first position; and,

c) a lock pin for being placed in said first and second aperture to lock

the top frame to the bottom frame and thereafter said lock pin is removed from said first and second apertures to permit the top frame to be disposed away from the bottom frame.

5. The anode pod of Claim 4, wherein said means for connecting said legs to said top and bottom frames comprises a pivotable joint.

6. The anode pod of Claim 5, wherein said means for connecting said legs to each other comprises a lockable pivotable joint to permit the adjacent legs to be folded into the first position and to be locked when the legs are in the second position so that the legs are secured in the second position.

7. The anode pod of Claim 6, wherein said lockable pivotable joint further comprises:

a) wherein each end of said adjacent leg segments have a guide bar disposed on said end, each of said guide bars having an elongated aperture therein;

b) a lock bracket being a cylindrical member open on each end having a pair of guide pins being transversely disposed therein, one each of said guide pins being disposed in one each of said elongated apertures of each guide bar to permit the guide bars to be pivotally attached to the lock bracket, said lock bracket having two pair of opposing transverse apertures therein;

c) a first locking pin being disposed in said first pair of transverse

apertures so as to pass through said elongated aperture to permit one of said adjacent leg segments to be locked into the second position; and,

d) a second locking pin being disposed in said second pair of transverse apertures so as to pass through said elongated aperture to permit the other of said adjacent leg segments to be locked into the second position.

8. The anode pod of Claim 7, further comprising a guide lock adapted for attachment to said lock bracket to provide a temporary support member for said lock bracket to permit the first and second locking pins to be disposed in the transverse apertures and then thereafter the guide lock is removed.

9. The anode pod of Claim 8, wherein said top frame and said bottom frame comprise four sides.

10. The anode pod of Claim 9, wherein one of said folding legs is disposed on each of said corners of said top and bottom frames.

11. The anode pod of Claim 10, wherein one of said first ends of each said stabilizers are disposed on one side of said bottom frame.

12. The anode pod of Claim 11, wherein said stabilizers are pivotally attached to said bottom frame to permit the stabilizers to be pivoted laterally away from said bottom

frame.

13. The anode pod of Claim 12, wherein each of said stabilizers has a first stabilizer aperture therein, wherein each of said sides of said bottom frame has a second stabilizer aperture therein, wherein each said first stabilizer apertures is operatively aligned with a corresponding second stabilizer aperture, wherein a stabilizer pin is placed in said first and second stabilizer apertures to permit the stabilizer to be locked into position on the bottom frame.

14. The anode pod of Claim 13, wherein said sides of bottom frame are longer than said sides of said top frame to permit the anode pod to stand upright on the sea floor.